

Technical Data Sheet

Eastman™ Isobutyric Acid

Applications

- Agriculture intermediates
- Dyes / pigments / paints
- Food flavors & food fragrances
- Fragrance ingredients
- Herbicides - intermediate for other
- Intermediates
- Other-food chemicals
- Pharmaceutical chemicals
- Protective coatings

Product Description

Eastman™ Isobutyric Acid ((CH₃)₂CHCOOH) is a colorless, medium boiling liquid. Esters of isobutyric acid are used as solvents for various applications where desirable odors and flavor characteristics are important. The potassium salt of isobutyric acid is effective as a solubility promoter in the caustic extraction of mercaptans from sour petroleum stocks.

Typical Properties

| Property | Typical Value, Units |
|---------------------------------|--|
| General | |
| Molecular Weight | 88.1 |
| Empirical Formula | C ₄ H ₈ O ₂ |
| Form | Liquid |
| Color | |
| Pt-Co | 5 |
| Specific Gravity @ 20°C/20°C | 0.95 |
| Assay | 99.5 wt % |
| Boiling Point | 155 °C (311 °F) |
| Freezing Point | -47 °C (-53 °F) |
| Vapor Pressure @ 20°C | 1.5 mm Hg |
| Heat of Combustion | 517 k·cal/g |
| Refractive Index | 1.39 n(20°C/D) |
| Solubility | |
| in Water, @ 25°C | 21 wt % |
| Water In, @ 25°C | 42 wt % |
| Fire Point | 67 °C (153 °F) |
| Flash Point | |
| Tag Closed Cup | 59 °C (139 °F) |
| Tag Open Cup | 77 °C (170 °F) |
| Autoignition Temperature | 482 °C (900 °F) |
| Viscosity @ 25°C | 1.3 cP |

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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